



ELSEVIER

Applied Surface Science 93 (1996) 376-378

applied
surface science

Author index

- Ali, S.T., S. Ghosh and D.N. Bose, Ruthenium and sulphide passivation of GaAs 93 (1996) 37
- Allen, G.C. and K.R. Hallam, Characterisation of the spinels $M_xCo_{1-x}Fe_2O_4$ ($M = Mn, Fe$ or Ni) using X-ray photoelectron spectroscopy 93 (1996) 25
- Alnot, M., see Fusy, J. 93 (1996) 211
- Ambri, M., see Ramos, S.M.M. 93 (1996) 191
- Arnold, N., see Kirichenko, N. 93 (1996) 359
- Auriel, C., see Martinez, H. 93 (1996) 231
- Baranauskas, V., see Kathia de-Mesquita Braga, A. 93 (1996) 197
- Bartoš, J., see Pinčík, E. 93 (1996) 119
- Battaglia, S., Surface phases analysis by grazing incidence of X-rays in a Bragg-Brentano diffractometer 93 (1996) 349
- Beche, E., see Berger, F. 93 (1996) 9
- Berger, F., E. Beche, R. Berjoan, D. Klein and A. Chambaudet, An XPS and FTIR study of SO_2 adsorption on SnO_2 surfaces 93 (1996) 9
- Berjoan, R., see Berger, F. 93 (1996) 9
- Bijkerk, F., see Voorma, H.-J. 93 (1996) 221
- Bilger, G., see Wanka, H.N. 93 (1996) 339
- Bohnke, O., G. Frand, M. Fromm, J. Weber and O. Greim, Depth profiling of W, O and H in tungsten trioxide thin films using RBS and ERDA techniques 93 (1996) 45
- Bonardi, N., see Ramos, S.M.M. 93 (1996) 191
- Borsella, E., see Giorgi, R. 93 (1996) 101
- Bose, D.N., see Ali, S.T. 93 (1996) 37
- Botti, S., see Giorgi, R. 93 (1996) 101
- Brenier, R., see Ramos, S.M.M. 93 (1996) 191
- Brown, J.R., see Sastri, V.S. 93 (1996) 31
- Brown, N.M.D. and Z.H. Liu, The etching of natural alpha-recoil tracks in mica with an argon RF-plasma discharge and their imaging via atomic force microscopy 93 (1996) 89
- Brunel, M., see Ramos, S.M.M. 93 (1996) 191
- Brunner, R., see Pinčík, E. 93 (1996) 119
- Canut, B., see Ramos, S.M.M. 93 (1996) 191
- Cassuto, A., The adsorption and condensation of $Hg(CH_3)_2$ on $Pt(111)$ at 95 and 310 K: an UPS study 93 (1996) 17
- Cerofolini, G.F., G. La Bruna and L. Meda, Gas-phase room-temperature oxidation of (100) silicon 93 (1996) 255
- Cesile, M.C., see Giorgi, R. 93 (1996) 101
- Chambaudet, A., see Berger, F. 93 (1996) 9
- Chen, Q., D. Cu, F. Gan, L. Xu and M. Li, Scanning tunneling microscopy observations of recorded organic thin films 93 (1996) 151
- Chen Chen-Jia, see Geddo, M. 93 (1996) 267
- Choi, J.-G. and L.T. Thompson, XPS study of as-prepared and reduced molybdenum oxides 93 (1996) 143
- Crisafulli, C., see Scirè, S. 93 (1996) 309
- Di Lernia, S., see Geddo, M. 93 (1996) 267
- Dietzsch, Ch., see Driesel, W. 93 (1996) 179
- Ding, Y., see Wang, G. 93 (1996) 281
- Driesel, W. and Ch. Dietzsch, In situ HVTEM observation of the tip shape of tin liquid metal ion sources 93 (1996) 179
- Duś, R., see Nowicka, E. 93 (1996) 53
- Ehrhardt, J.J., see Fusy, J. 93 (1996) 211
- Elboujdaini, M., see Sastri, V.S. 93 (1996) 31
- Ferrón, J., see Vaquila, I. 93 (1996) 247
- Franchy, R., J. Masuch and P. Gassmann, The oxidation of the $NiAl(111)$ surface 93 (1996) 317
- Frand, G., see Bohnke, O. 93 (1996) 45
- Fromm, M., see Bohnke, O. 93 (1996) 45
- Fusy, J., J. Menaucourt, M. Alnot, C. Huguet and J.J. Ehrhardt, Growth and reactivity of evaporated platinum films on $Cu(111)$: a study by AES, RHEED and adsorption of carbon monoxide and xenon 93 (1996) 211
- Gall, N.R., E.V. Rut'kov, A.Ya. Tontegode and M.M. Usufov, Surface sulfide on (100) W: formation, stability, absolute concentration of sulfur 93 (1996) 353
- Galvagno, S., see Scirè, S. 93 (1996) 309
- Gan, F., see Chen, Q. 93 (1996) 151
- Gassmann, P., see Franchy, R. 93 (1996) 317
- Geddo, M., S. Di Lernia and Chen Chen-Jia, Photoreflectance analysis of MQWs in intermediate electric field regime 93 (1996) 267



ELSEVIER

Applied Surface Science 93 (1996) 376-378

applied
surface science

Author index

- Ali, S.T., S. Ghosh and D.N. Bose, Ruthenium and sulphide passivation of GaAs 93 (1996) 37
- Allen, G.C. and K.R. Hallam, Characterisation of the spinels $M_xCo_{1-x}Fe_2O_4$ ($M = Mn, Fe$ or Ni) using X-ray photoelectron spectroscopy 93 (1996) 25
- Alnot, M., see Fusy, J. 93 (1996) 211
- Ambri, M., see Ramos, S.M.M. 93 (1996) 191
- Arnold, N., see Kirichenko, N. 93 (1996) 359
- Auriel, C., see Martinez, H. 93 (1996) 231
- Baranauskas, V., see Kathia de-Mesquita Braga, A. 93 (1996) 197
- Bartoš, J., see Pinčík, E. 93 (1996) 119
- Battaglia, S., Surface phases analysis by grazing incidence of X-rays in a Bragg-Brentano diffractometer 93 (1996) 349
- Beche, E., see Berger, F. 93 (1996) 9
- Berger, F., E. Beche, R. Berjoan, D. Klein and A. Chambaudet, An XPS and FTIR study of SO_2 adsorption on SnO_2 surfaces 93 (1996) 9
- Berjoan, R., see Berger, F. 93 (1996) 9
- Bijkerk, F., see Voorma, H.-J. 93 (1996) 221
- Bilger, G., see Wanka, H.N. 93 (1996) 339
- Bohnke, O., G. Frand, M. Fromm, J. Weber and O. Greim, Depth profiling of W, O and H in tungsten trioxide thin films using RBS and ERDA techniques 93 (1996) 45
- Bonardi, N., see Ramos, S.M.M. 93 (1996) 191
- Borsella, E., see Giorgi, R. 93 (1996) 101
- Bose, D.N., see Ali, S.T. 93 (1996) 37
- Botti, S., see Giorgi, R. 93 (1996) 101
- Brenier, R., see Ramos, S.M.M. 93 (1996) 191
- Brown, J.R., see Sastri, V.S. 93 (1996) 31
- Brown, N.M.D. and Z.H. Liu, The etching of natural alpha-recoil tracks in mica with an argon RF-plasma discharge and their imaging via atomic force microscopy 93 (1996) 89
- Brunel, M., see Ramos, S.M.M. 93 (1996) 191
- Brunner, R., see Pinčík, E. 93 (1996) 119
- Canut, B., see Ramos, S.M.M. 93 (1996) 191
- Cassuto, A., The adsorption and condensation of $Hg(CH_3)_2$ on $Pt(111)$ at 95 and 310 K: an UPS study 93 (1996) 17
- Cerofolini, G.F., G. La Bruna and L. Meda, Gas-phase room-temperature oxidation of (100) silicon 93 (1996) 255
- Cesile, M.C., see Giorgi, R. 93 (1996) 101
- Chambaudet, A., see Berger, F. 93 (1996) 9
- Chen, Q., D. Cu, F. Gan, L. Xu and M. Li, Scanning tunneling microscopy observations of recorded organic thin films 93 (1996) 151
- Chen Chen-Jia, see Geddo, M. 93 (1996) 267
- Choi, J.-G. and L.T. Thompson, XPS study of as-prepared and reduced molybdenum oxides 93 (1996) 143
- Crisafulli, C., see Scirè, S. 93 (1996) 309
- Di Lernia, S., see Geddo, M. 93 (1996) 267
- Dietzsch, Ch., see Driesel, W. 93 (1996) 179
- Ding, Y., see Wang, G. 93 (1996) 281
- Driesel, W. and Ch. Dietzsch, In situ HVTEM observation of the tip shape of tin liquid metal ion sources 93 (1996) 179
- Duś, R., see Nowicka, E. 93 (1996) 53
- Ehrhardt, J.J., see Fusy, J. 93 (1996) 211
- Elboujdaini, M., see Sastri, V.S. 93 (1996) 31
- Ferrón, J., see Vaquila, I. 93 (1996) 247
- Franchy, R., J. Masuch and P. Gassmann, The oxidation of the $NiAl(111)$ surface 93 (1996) 317
- Frand, G., see Bohnke, O. 93 (1996) 45
- Fromm, M., see Bohnke, O. 93 (1996) 45
- Fusy, J., J. Menaucourt, M. Alnot, C. Huguet and J.J. Ehrhardt, Growth and reactivity of evaporated platinum films on $Cu(111)$: a study by AES, RHEED and adsorption of carbon monoxide and xenon 93 (1996) 211
- Gall, N.R., E.V. Rut'kov, A.Ya. Tontegode and M.M. Usufov, Surface sulfide on (100) W: formation, stability, absolute concentration of sulfur 93 (1996) 353
- Galvagno, S., see Scirè, S. 93 (1996) 309
- Gan, F., see Chen, Q. 93 (1996) 151
- Gassmann, P., see Franchy, R. 93 (1996) 317
- Geddo, M., S. Di Lernia and Chen Chen-Jia, Photoreflectance analysis of MQWs in intermediate electric field regime 93 (1996) 267

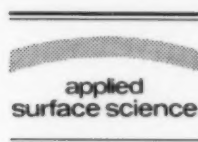
- Geus, J.W., see Van Wijk, R.
- Ghosh, S., see Ali, S.T.
- Gijzeman, O.L.J., see Van Wijk, R.
- Gilmore, I.S. and M.P. Seah, Savitzky and Golay differentiation in AES 93 (1996) 273
- Giorgi, R., S. Turtù, G. Zappa, E. Borsella, S. Botti, M.C. Cesile and S. Martelli, Microstructural properties of laser synthesized Si/C/N nanoparticles 93 (1996) 101
- Gmucová, K., see Pinčík, E.
- Gonbeau, D., see Martinez, H.
- Greim, O., see Bohnke, O.
- Grünwald, W., A. Heilmann and C. Reinhardt, Cross-sectional TEM investigations of plasmapolymer-metal composite films 93 (1996) 157
- Gu, D., see Chen, Q.
- Gupta, V.K., see John, G.
- Habraken, F.H.P.M., see Marée, C.H.M.
- Hallam, K.R., see Allen, G.C.
- Hammouti, B., see Kertit, S.
- Harikumar, K.R., A.K. Santra and C.N.R. Rao, An investigation of the Cu/ZnO/Zn system: evidence for the formation of Cu-Zn alloys by the inward diffusion of Cu 93 (1996) 135
- Heilmann, A., see Grünwald, W.
- Hoffman, A. and P.J.K. Paterson, Surface and subsurface 1 keV electron stimulated reduction of sapphire studied by electron spectroscopy 93 (1996) 301
- Holmberg, M. and I. Lundström, A new method for the detection of hydrogen spillover 93 (1996) 67
- Huang, Q.-A., Field emission from the surface quantum well of silicon 93 (1996) 77
- Huguet, C., see Fusy, J.
- Jergel, M., see Pinčík, E.
- Jia, W.J., see Wang, S.L.
- John, G., J.S. Zabinski and V.K. Gupta, Corrosion of iron by a perfluoropolyalkylether identified by Mössbauer spectroscopy 93 (1996) 329
- Jung, M., see Kim, T.W.
- Kartio, I., K. Laajalehto, T. Kaurila and E. Suoninen, A study of galena (PbS) surfaces under controlled potential in pH 4.6 solution by synchrotron radiation excited photoelectron spectroscopy 93 (1996) 167
- Kathia de-Mesquita Braga, A., V. Baranauskas and A. Peled, Erratum to "Laser induced photodeposition of gold upon p-silicon immersed in chloroauric acid solutions" [Appl. Surf. Sci. 79/80 (1994) 375] 93 (1996) 197
- Kaurila, T., see Kartio, I.
- Kertit, S. and B. Hammouti, Corrosion inhibition of iron in 1M HCl by 1-phenyl-5-mercapto-1,2,3,4-tetrazole 93 (1996) 59
- Khavin, Y., see Kirichenko, N.
- Kim, C.O., see Yoon, Y.S.
- Kim, T.W., M. Jung and D.U. Lee, Determination of the subband carrier densities in a strained GaAs/In_{0.15}Ga_{0.85}As/Al_{0.22}Ga_{0.78}As single quantum well using photoluminescence 93 (1996) 131
- Kim, T.W., see Yoon, Y.S.
- Kirichenko, N., Y. Khavin and N. Arnold, Instabilities in laser direct writing due to non-uniform cross section of stripes 93 (1996) 359
- Klein, D., see Berger, F.
- Koster, N.B., see Voorma, H.-J.
- Kučera, M., see Pinčík, E.
- La Bruna, G., see Cerofolini, G.F.
- Laajalehto, K., see Kartio, I.
- Lahaye, J., see Schoderböck, P.
- Ledingham, K.W.D., see Wang, S.L.
- Lee, D.U., see Kim, T.W.
- Lee, D.U., see Yoon, Y.S.
- Lewowski, T. and P. Wiczorek, Surfactant effect of Sb on the growth of Ag films on a sapphire substrate 93 (1996) 85
- Li, M., see Chen, Q.
- Lisowski, W., see Nowicka, E.
- Liu, Z.H., see Brown, N.M.D.
- Loudet, M., see Martinez, H.
- Louis, E., see Voorma, H.-J.
- Lundström, I., see Holmberg, M.
- Maggiore, R., see Scirè, S.
- Marée, C.H.M., T.J. Savenije, T.J. Schaafsma and F.H.P.M. Habraken, Ion beam studies of porphyrin adsorption on and leaching of soda lime glass 93 (1996) 291
- Martelli, S., see Giorgi, R.
- Martinez, H., C. Auriel, D. Gonbeau, M. Loudet and G. Pfister-Guillouzo, Studies of IT TiS₂ by STM, AFM and XPS: the mechanism of hydrolysis in air 93 (1996) 231
- Mascia, L. and Z. Zhang, Internal surface interactions in the plasma treatment of fine bore fluoropolymer tubings 93 (1996) 1
- Masuch, J., see Franchy, R.
- Meda, L., see Cerofolini, G.F.
- Menaucourt, J., see Fusy, J.
- Minicò, S., see Scirè, S.
- Nowicka, E., Z. Wolfram, W. Lisowski and R. Duf, Investigation of atomic deuterium (hydrogen) emission from the surface of some transition metal deuterides (hydrides) 93 (1996) 53

- Passeggi, Jr., M.C.G., see Vaquila, I. 93 (1996) 247
 Paterson, P.J.K., see Hoffman, A. 93 (1996) 301
 Peled, A., see Kathia de-Mesquita Braga, A. 93 (1996) 197
 Perumareddi, J.R., see Sastri, V.S. 93 (1996) 31
 Pfister-Guillouzo, G., see Martinez, H. 93 (1996) 231
 Pinčík, E., K. Gmucová, J. Bartoš, M. Kučera, M. Jergel and R. Brunner, Plasma anodic oxidation of semiinsulating GaAs 93 (1996) 119
 Pitaval, M., see Ramos, S.M.M. 93 (1996) 191
 Raen, S., see Torkelsen, N.G. 93 (1996) 199
 Ramos, S.M.M., B. Canut, M. Ambri, N. Bonardi, R. Brenier, M. Pitaval, P. Thevenard and M. Brunel, Formation of polycrystalline BaTi_2O_7 compounds in barium implanted TiO_2 93 (1996) 191
 Rao, C.N.R., see Harikumar, K.R. 93 (1996) 135
 Reinhardt, C., see Grünwald, W. 93 (1996) 157
 Roper, M.D., see Voorma, H.-J. 93 (1996) 221
 Rut'kov, E.V., see Gall, N.R. 93 (1996) 353
 Santra, A.K., see Harikumar, K.R. 93 (1996) 135
 Sastri, V.S., M. Elboudjaini, J.R. Perumareddi and J.R. Brown, X-ray photoelectron spectroscopy studies of a nitroxyl free radical 93 (1996) 31
 Savenije, T.J., see Marée, C.H.M. 93 (1996) 291
 Schaafsma, T.J., see Marée, C.H.M. 93 (1996) 291
 Schoderböck, P. and J. Lahaye, The influence of impurities contained in quartz sand on the catalytic reduction of nitric oxide by carbon monoxide 93 (1996) 109
 Schubert, M.B., see Wanka, H.N. 93 (1996) 339
 Scirè, S., C. Crisafulli, R. Maggiore, S. Minicò and S. Galvagno, FT-IR characterization of alkali-doped Pd catalysts for the selective hydrogenation of phenol to cyclohexanone 93 (1996) 309
 Seah, M.P., see Gilmore, I.S. 93 (1996) 273
 Singhal, R.P., see Wang, S.L. 93 (1996) 205
 Smith, A.D., see Voorma, H.-J. 93 (1996) 221
 Suoninen, E., see Kartio, I. 93 (1996) 167
 Thevenard, P., see Ramos, S.M.M. 93 (1996) 191
 Thompson, L.T., see Choi, J.-G. 93 (1996) 143
 Tontegode, A.Ya., see Gall, N.R. 93 (1996) 353
 Torkelsen, N.G. and S. Raen, Work function variations and oxygen conduction in a $\text{Pt}(\text{ZrO}_2(\text{Y}_2\text{O}_3))\text{Pt}$ solid electrolyte cell 93 (1996) 199
 Turtù, S., see Giorgi, R. 93 (1996) 101
 Usufov, M.M., see Gall, N.R. 93 (1996) 353
 Van Dorssen, G.E., see Voorma, H.-J. 93 (1996) 221
 Van Wijk, R., O.L.J. Gijzeman and J.W. Geus, Ellipsometric studies of the oxidation kinetics of Cu particles supported on oxidised Si(100) 93 (1996) 237
 Vaquila, I., M.C.G. Passeggi, Jr. and J. Ferrón, Temperature effects in the early stages of titanium oxidation 93 (1996) 247
 Voorma, H.-J., G.E. van Dorssen, E. Louis, N.B. Koster, A.D. Smith, M.D. Roper and F. Bijkerk, EXAFS measurements on the structure of Mo/Si multilayers produced using ion bombardment and increased deposition temperature 93 (1996) 221
 Wang, G., Y. Ding and Y. Wei, Relationship between organic thin film uniformity and its electroluminescence 93 (1996) 281
 Wang, S.L., K.W.D. Ledingham, W.J. Jia and R.P. Singhal, Studies of silicon nitride (Si_3N_4) using laser ablation mass spectrometry 93 (1996) 205
 Wanka, H.N., G. Bilger and M.B. Schubert, CO_2 plasma treatment of tin oxides 93 (1996) 339
 Weber, J., see Bohnke, O. 93 (1996) 45
 Wei, Y., see Wang, G. 93 (1996) 281
 Wiczorek, P., see Lewowski, T. 93 (1996) 85
 Wolfram, Z., see Nowicka, E. 93 (1996) 53
 Xu, L., see Chen, Q. 93 (1996) 151
 Yom, S.S., see Yoon, Y.S. 93 (1996) 285
 Yoon, Y.S., S.S. Yom, T.W. Kim, D.U. Lee and C.O. Kim, Improvement of the crystallinity in PbTiO_3 films grown on indium tin oxide-coated glass by metalorganic chemical vapor deposition using the continuous cooling process 93 (1996) 285
 Zabinski, J.S., see John, G. 93 (1996) 329
 Zappa, G., see Giorgi, R. 93 (1996) 101
 Zhang, Z., see Mascia, L. 93 (1996) 1



ELSEVIER

Applied Surface Science 93 (1996) 379-388



Subject index

Ablation

- Studies of silicon-nitride (Si_3N_4) using laser ablation mass spectrometry, S.L. Wang, K.W.D. Ledingham, W.J. Jia and R.P. Singhal 93 (1996) 205

Alkali metals

- Formation of polycrystalline BaTi_xO_y compounds in barium implanted TiO_2 , S.M.M. Ramos, B. Canut, M. Ambri, N. Bonardi, R. Brenier, M. Pitaval, P. Thevenard and M. Brunel 93 (1996) 191
- FT-IR characterization of alkali-doped Pd catalysts for the selective hydrogenation of phenol to cyclohexanone, S. Scire, C. Crisafulli, R. Maggiore, S. Minicò and S. Galvagno 93 (1996) 309

Aluminium

- Determination of the subband carrier densities in a strained $\text{GaAs}/\text{In}_{0.15}\text{Ga}_{0.85}\text{As}/\text{Al}_{0.22}\text{Ga}_{0.78}\text{As}$ single quantum well using photoluminescence, T.W. Kim, M. Jung and D.U. Lee 93 (1996) 131
- Photoreflectance analysis of MQWs in intermediate electric field regime, M. Geddo, S. Di Lernia and Chen-Chen-Jia 93 (1996) 267
- The oxidation of the $\text{NiAl}(111)$ surface, R. Franchy, J. Masuch and P. Gassmann 93 (1996) 317

Aluminium oxide

- Surface and subsurface 1 keV electron stimulated reduction of sapphire studied by electron spectroscopy, A. Hoffman and P.J.K. Paterson 93 (1996) 301

Antimony

- Surfactant effect of Sb on the growth of Ag films on a sapphire substrate, T. Lewowski and P. Wiczorek 93 (1996) 85

Atomic force microscopy

- The etching of natural alpha-recoil tracks in mica with an argon RF-plasma discharge and their imaging via atomic force microscopy, N.M.D. Brown and Z.H. Liu 93 (1996) 89
- Studies of 1T TiS_2 by STM, AFM and XPS: the mechanism of hydrolysis in air, H. Martinez, C. Auriel, D. Gonbeau, M. Loudet and G. Pfister-Guillouzo 93 (1996) 231
- Relationship between organic thin film uniformity and its electroluminescence, G. Wang, Y. Ding and Y. Wei 93 (1996) 281

Auger electron spectroscopy

- An investigation of the $\text{Cu}/\text{ZnO}/\text{Zn}$ system: evidence for the formation of Cu-Zn alloys by the inward diffusion of Cu, K.R. Harikumar, A.K. Santra and C.N.R. Rao 93 (1996) 135
- Growth and reactivity of evaporated platinum films on $\text{Cu}(111)$: a study by AES, RHEED and adsorption of carbon monoxide and xenon, J. Fusy, J. Menau-court, M. Alnot, C. Huguet and J.J. Ehrhardt 93 (1996) 211
- Temperature effects in the early stages of titanium oxidation, I. Vaquila, M.C.G. Passeggi, Jr. and J. Ferrón 93 (1996) 247
- Savitzky and Golay differentiation in AES, I.S. Gilmore and M.P. Seah 93 (1996) 273
- Improvement of the crystallinity in PbTiO_3 films grown on indium tin oxide-coated glass by metalorganic chemical vapor deposition using the continuous cooling process, Y.S. Yoon, S.S. Yom, T.W. Kim, D.U. Lee and C.O. Kim 93 (1996) 285
- Surface and subsurface 1 keV electron stimulated reduction of sapphire studied by electron spectroscopy, A. Hoffman and P.J.K. Paterson 93 (1996) 301

The oxidation of the NiAl(111) surface, R. Franchy, J. Masuch and P. Gassmann
 Surface sulfide on (100) W: formation, stability, absolute concentration of sulfur, N.R. Gall, E.V. Rut'kov, A.Ya. Tontegode and M.M. Usufov

93 (1996) 317

93 (1996) 353

Carbides

Microstructural properties of laser synthesized Si/C/N nanoparticles, R. Giorgi, S. Turù, G. Zappa, E. Borsella, S. Botti, M.C. Cesile and S. Martelli

93 (1996) 101

Carbon

Microstructural properties of laser synthesized Si/C/N nanoparticles, R. Giorgi, S. Turù, G. Zappa, E. Borsella, S. Botti, M.C. Cesile and S. Martelli

93 (1996) 101

Carbon monoxide

The influence of impurities contained in quartz sand on the catalytic reduction of nitric oxide by carbon monoxide, P. Schoderböck and J. Lahaye

93 (1996) 109

Growth and reactivity of evaporated platinum films on Cu(111): a study by AES, RHEED and adsorption of carbon monoxide and xenon, J. Fusy, J. Menau-court, M. Alnot, C. Huguet and J.J. Ehrhardt

93 (1996) 211

FT-IR characterization of alkali-doped Pd catalysts for the selective hydrogenation of phenol to cyclohexanone, S. Scirè, C. Crisafulli, R. Maggiore, S. Minicò and S. Galvagno

93 (1996) 309

Catalysis

The influence of impurities contained in quartz sand on the catalytic reduction of nitric oxide by carbon monoxide, P. Schoderböck and J. Lahaye

93 (1996) 109

Chalcogenides

Studies of 1T TiS₂ by STM, AFM and XPS: the mechanism of hydrolysis in air, H. Martinez, C. Auriel, D. Gonbeau, M. Loudet and G. Pfister-Guillouzo

93 (1996) 231

Chemical vapour deposition

Improvement of the crystallinity in PbTiO₃ films grown on indium tin oxide-coated glass by metalorganic chemical vapor deposition using the continuous cooling process, Y.S. Yoon, S.S. Yom, T.W. Kim, D.U. Lee and C.O. Kim

93 (1996) 285

Cobalt

Characterisation of the spinels M_xCo_{1-x}Fe₂O₄ (M = Mn, Fe or Ni) using X-ray photoelectron spectroscopy, G.C. Allen and K.R. Hallam

93 (1996) 25

Copper

An investigation of the Cu/ZnO/Zn system: evidence for the formation of Cu-Zn alloys by the inward diffusion of Cu, K.R. Harikumar, A.K. Santra and C.N.R. Rao

93 (1996) 135

Growth and reactivity of evaporated platinum films on Cu(111): a study by AES, RHEED and adsorption of carbon monoxide and xenon, J. Fusy, J. Menau-court, M. Alnot, C. Huguet and J.J. Ehrhardt

93 (1996) 211

Ellipsometric studies of the oxidation kinetics of Cu particles supported on oxidised Si(100), R. van Wijk, O.L.J. Gijzeman and J.W. Geus

93 (1996) 237

Corrosion

Corrosion inhibition of iron in 1M HCl by 1-phenyl-5-mercapto-1,2,3,4-tetrazole, S. Kertit and B. Hammouti

93 (1996) 59

Corrosion of iron by a perfluoropolyalkylether identified by Mössbauer spectroscopy, G. John, J.S. Zabinski and V.K. Gupta

93 (1996) 329

Depth profiling

Depth profiling of W, O and H in tungsten trioxide thin films using RBS and ERDA techniques, O. Bohnke, G. Frand, M. Fromm, J. Weber and O. Greim

93 (1996) 45

CO₂ plasma treatment of tin oxides, H.N. Wanka, G. Bilger and M.B. Schubert

93 (1996) 339

Deuterium

- Investigation of atomic deuterium (hydrogen) emission from the surface of some transition metal deuterides (hydrides), E. Nowicka, Z. Wolfram, W. Lisowski and R. Duś

93 (1996) 53

Electrical properties

- A new method for the detection of hydrogen spillover, M. Holmberg and I. Lundström
- Plasma anodic oxidation of semiinsulating GaAs, E. Pinčík, K. Gmucová, J. Bartoš, M. Kučera, M. Jergel and R. Brunner
- Work function variations and oxygen conduction in a $\text{Pt}(\text{ZrO}_2(\text{Y}_2\text{O}_3))/\text{Pt}$ solid electrolyte cell, N.Å. Torkelsen and S. Raaen
- Improvement of the crystallinity in PbTiO_3 films grown on indium tin oxide-coated glass by metalorganic chemical vapor deposition using the continuous cooling process, Y.S. Yoon, S.S. Yom, T.W. Kim, D.U. Lee and C.O. Kim

93 (1996) 67

93 (1996) 119

93 (1996) 199

93 (1996) 285

Electron diffraction

- Growth and reactivity of evaporated platinum films on $\text{Cu}(111)$: a study by AES, RHEED and adsorption of carbon monoxide and xenon, J. Fusy, J. Menau-court, M. Alnot, C. Huguet and J.J. Ehrhardt

93 (1996) 211

Electron energy loss spectroscopy

- The oxidation of the $\text{NiAl}(111)$ surface, R. Franchy, J. Masuch and P. Gassmann

93 (1996) 317

Electron microscopy

- Cross-sectional TEM investigations of plasmopolymer-metal composite films, W. Grünewald, A. Heilmann and C. Reinhardt
- In situ HVTEM observation of the tip shape of tin liquid metal ion sources, W. Driesel and Ch. Dietzsch
- Formation of polycrystalline BaTi_2O_7 compounds in barium implanted TiO_2 , S.M.M. Ramos, B. Canut, M. Ambri, N. Bonardi, R. Brenier, M. Pitaval, P. Thevenard and M. Brunel

93 (1996) 157

93 (1996) 179

93 (1996) 191

Electron stimulated desorption

- Surface and subsurface 1 keV electron stimulated reduction of sapphire studied by electron spectroscopy, A. Hoffman and P.J.K. Paterson

93 (1996) 301

Ellipsometry

- Ellipsometric studies of the oxidation kinetics of Cu particles supported on oxidised $\text{Si}(100)$, R. van Wijk, O.L.J. Gijzeman and J.W. Geus
- CO_2 plasma treatment of tin oxides, H.N. Wanka, G. Bilger and M.B. Schubert

93 (1996) 237

93 (1996) 339

Epitaxy

- Determination of the subband carrier densities in a strained $\text{GaAs}/\text{In}_{0.15}\text{Ga}_{0.85}\text{As}/\text{Al}_{0.22}\text{Ga}_{0.78}\text{As}$ single quantum well using photoluminescence, T.W. Kim, M. Jung and D.U. Lee
- Photoreflectance analysis of MQWs in intermediate electric field regime, M. Geddo, S. Di Lernia and Chen Chen-Jia

93 (1996) 131

93 (1996) 267

Etching

- The etching of natural alpha-recoil tracks in mica with an argon RF-plasma discharge and their imaging via atomic force microscopy, N.M.D. Brown and Z.H. Liu

93 (1996) 89

Evaporation

- Depth profiling of W, O and H in tungsten trioxide thin films using RBS and ERDA techniques, O. Bohnke, G. Frand, M. Fromm, J. Weber and O. Greim
- Growth and reactivity of evaporated platinum films on $\text{Cu}(111)$: a study by AES, RHEED and adsorption of carbon monoxide and xenon, J. Fusy, J. Menau-court, M. Alnot, C. Huguet and J.J. Ehrhardt

93 (1996) 45

93 (1996) 211

Field emission

- Field emission from the surface quantum well of silicon, Q.-A. Huang

93 (1996) 77

Gallium arsenide

- Ruthenium and sulphide passivation of GaAs, S.T. Ali, S. Ghosh and D.N. Bose 93 (1996) 37
- Plasma anodic oxidation of semiinsulating GaAs, E. Pinčik, K. Gmucová, J. Bartoš, M. Kučera, M. Jergel and R. Brunner 93 (1996) 119
- Determination of the subband carrier densities in a strained GaAs/In_{0.15}Ga_{0.85}As/Al_{0.22}Ga_{0.78}As single quantum well using photoluminescence, T.W. Kim, M. Jung and D.U. Lee 93 (1996) 131
- Photoreflectance analysis of MQWs in intermediate electric field regime, M. Geddo, S. Di Lernia and Chen Chen-Jia 93 (1996) 267

Glass

- Ion beam studies of porphyrin adsorption on and leaching of soda lime glass, C.H.M. Marée, T.J. Savenije, T.J. Schaafsma and F.H.P.M. Habraken 93 (1996) 291

Hydrocarbons

- The adsorption and condensation of Hg(CH₃)₂ on Pt(111) at 95 and 310 K: an UPS study, A. Cassuto 93 (1996) 17
- X-ray photoelectron spectroscopy studies of a nitroxyl free radical, V.S. Sastri, M. Elboujdaini, J.R. Perumareddi and J.R. Brown 93 (1996) 31
- Corrosion of iron by a perfluoropolyalkylether identified by Mössbauer spectroscopy, G. John, J.S. Zabinski and V.K. Gupta 93 (1996) 329

Hydrogen

- Depth profiling of W, O and H in tungsten trioxide thin films using RBS and ERDA techniques, O. Bohnke, G. Frand, M. Fromm, J. Weber and O. Greim 93 (1996) 45
- A new method for the detection of hydrogen spillover, M. Holmberg and I. Lundström 93 (1996) 67
- FT-IR characterization of alkali-doped Pd catalysts for the selective hydrogenation of phenol to cyclohexanone, S. Scire, C. Crisafulli, R. Maggiore, S. Minicò and S. Galvagno 93 (1996) 309

Indium

- Determination of the subband carrier densities in a strained GaAs/In_{0.15}Ga_{0.85}As/Al_{0.22}Ga_{0.78}As single quantum well using photoluminescence, T.W. Kim, M. Jung and D.U. Lee 93 (1996) 131

Infrared spectroscopy

- An XPS and FTIR study of SO₂ adsorption on SnO₂ surfaces, F. Berger, E. Beche, R. Berjoan, D. Klein and A. Chambaudet 93 (1996) 9
- FT-IR characterization of alkali-doped Pd catalysts for the selective hydrogenation of phenol to cyclohexanone, S. Scire, C. Crisafulli, R. Maggiore, S. Minicò and S. Galvagno 93 (1996) 309

Ion scattering

- Depth profiling of W, O and H in tungsten trioxide thin films using RBS and ERDA techniques, O. Bohnke, G. Frand, M. Fromm, J. Weber and O. Greim 93 (1996) 45
- Formation of polycrystalline BaTi₂O₇ compounds in barium implanted TiO₂, S.M.M. Ramos, B. Canut, M. Ambri, N. Bonardi, R. Brenier, M. Pitaval, P. Thevenard and M. Brunel 93 (1996) 191
- Ion beam studies of porphyrin adsorption on and leaching of soda lime glass, C.H.M. Marée, T.J. Savenije, T.J. Schaafsma and F.H.P.M. Habraken 93 (1996) 291

Iron

- Characterisation of the spinels M₂Co_{1-x}Fe₂O₄ (M = Mn, Fe or Ni) using X-ray photoelectron spectroscopy, G.C. Allen and K.R. Hallam 93 (1996) 25
- Corrosion inhibition of iron in 1M HCl by 1-phenyl-5-mercapto-1,2,3,4-tetrazole, S. Kertit and B. Hammouti 93 (1996) 59
- Corrosion of iron by a perfluoropolyalkylether identified by Mössbauer spectroscopy, G. John, J.S. Zabinski and V.K. Gupta 93 (1996) 329

Laser processing

- Microstructural properties of laser synthesized Si/C/N nanoparticles, R. Giorgi,

S. Turtù, G. Zappa, E. Borsella, S. Botti, M.C. Cesile and S. Martelli

93 (1996) 101

Studies of silicon-nitride (Si_3N_4) using laser ablation mass spectrometry, S.L. Wang, K.W.D. Ledingham, W.J. Jia and R.P. Singhal

93 (1996) 205

Instabilities in laser direct writing due to non-uniform cross section of stripes, N. Kirichenko, Y. Khavin and N. Arnold

93 (1996) 359

Lead

A study of galena (PbS) surfaces under controlled potential in pH 4.6 solution by synchrotron radiation excited photoelectron spectroscopy, I. Kartio, K. Laajalehto, T. Kaurila and E. Suoninen

93 (1996) 167

Improvement of the crystallinity in PbTiO_3 films grown on indium tin oxide-coated glass by metalorganic chemical vapor deposition using the continuous cooling process, Y.S. Yoon, S.S. Yom, T.W. Kim, D.U. Lee and C.O. Kim

93 (1996) 285

Low energy electron diffraction

The oxidation of the $\text{NiAl}(111)$ surface, R. Franchy, J. Masuch and P. Gassmann

93 (1996) 317

Luminescence

Ruthenium and sulphide passivation of GaAs, S.T. Ali, S. Ghosh and D.N. Bose

93 (1996) 37

Plasma anodic oxidation of semiinsulating GaAs, E. Pinčik, K. Gmucová, J. Bartoš, M. Kučera, M. Jergel and R. Brunner

93 (1996) 119

Determination of the subband carrier densities in a strained GaAs/ $\text{In}_{0.15}\text{Ga}_{0.85}\text{As}/\text{Al}_{0.22}\text{Ga}_{0.78}\text{As}$ single quantum well using photoluminescence, T.W. Kim, M. Jung and D.U. Lee

93 (1996) 131

Relationship between organic thin film uniformity and its electroluminescence, G. Wang, Y. Ding and Y. Wei

93 (1996) 281

Manganese

Characterisation of the spinels $\text{M}_x\text{Co}_{1-x}\text{Fe}_2\text{O}_4$ (M = Mn, Fe or Ni) using X-ray photoelectron spectroscopy, G.C. Allen and K.R. Hallam

93 (1996) 25

Mass spectroscopy

Investigation of atomic deuterium (hydrogen) emission from the surface of some transition metal deuterides (hydrides), E. Nowicka, Z. Wolfram, W. Lisowski and R. Duś

93 (1996) 53

Studies of silicon-nitride (Si_3N_4) using laser ablation mass spectrometry, S.L. Wang, K.W.D. Ledingham, W.J. Jia and R.P. Singhal

93 (1996) 205

Mercury

The adsorption and condensation of $\text{Hg}(\text{CH}_3)_2$ on $\text{Pt}(111)$ at 95 and 310 K: an UPS study, A. Cassuto

93 (1996) 17

Mica

The etching of natural alpha-recoil tracks in mica with an argon RF-plasma discharge and their imaging via atomic force microscopy, N.M.D. Brown and Z.H. Liu

93 (1996) 89

Molybdenum

XPS study of as-prepared and reduced molybdenum oxides, J.-G. Choi and L.T. Thompson

93 (1996) 143

EXAFS measurements on the structure of Mo/Si multilayers produced using ion bombardment and increased deposition temperature, H.-J. Voorma, G.E. van Dorssen, E. Louis, N.B. Koster, A.D. Smith, M.D. Roper and F. Bijkerk

93 (1996) 221

Mössbauer spectroscopy

Corrosion of iron by a perfluoropolyalkylether identified by Mössbauer spectroscopy, G. John, J.S. Zabinski and V.K. Gupta

93 (1996) 329

Multilayers

EXAFS measurements on the structure of Mo/Si multilayers produced using ion bombardment and increased deposition temperature, H.-J. Voorma, G.E. van

- Dorssen, E. Louis, N.B. Koster, A.D. Smith, M.D. Roper and F. Bijkerk 93 (1996) 221
- Nickel**
- Characterisation of the spinels $M_xCo_{1-x}Fe_2O_4$ ($M = Mn, Fe$ or Ni) using X-ray photoelectron spectroscopy, G.C. Allen and K.R. Hallam 93 (1996) 25
- The oxidation of the NiAl(111) surface, R. Franchy, J. Masuch and P. Gassmann 93 (1996) 317
- Nitric oxide**
- The influence of impurities contained in quartz sand on the catalytic reduction of nitric oxide by carbon monoxide, P. Schoderböck and J. Lahaye 93 (1996) 109
- Nitrides**
- Microstructural properties of laser synthesized Si/C/N nanoparticles, R. Giorgi, S. Turtù, G. Zappa, E. Borsella, S. Botti, M.C. Cesile and S. Martelli 93 (1996) 101
- Nitrogen**
- Microstructural properties of laser synthesized Si/C/N nanoparticles, R. Giorgi, S. Turtù, G. Zappa, E. Borsella, S. Botti, M.C. Cesile and S. Martelli 93 (1996) 101
- Noble gases**
- Growth and reactivity of evaporated platinum films on Cu(111): a study by AES, RHEED and adsorption of carbon monoxide and xenon, J. Fusy, J. Menau-court, M. Alnot, C. Huguet and J.J. Ehrhardt 93 (1996) 211
- Organic substances**
- Corrosion inhibition of iron in 1M HCl by 1-phenyl-5-mercapto-1,2,3,4-tetrazole, S. Kertit and B. Hammouti 93 (1996) 59
- Scanning tunneling microscopy observations of recorded organic thin films, Q. Chen, D. Gu, F. Gan, L. Xu and M. Li 93 (1996) 151
- Relationship between organic thin film uniformity and its electroluminescence, G. Wang, Y. Ding and Y. Wei 93 (1996) 281
- Oxidation**
- Plasma anodic oxidation of semiinsulating GaAs, E. Pinčík, K. Gmucová, J. Bartoš, M. Kučera, M. Jergel and R. Brunner 93 (1996) 119
- Ellipsometric studies of the oxidation kinetics of Cu particles supported on oxidised Si(100), R. van Wijk, O.L.J. Gijzeman and J.W. Geus 93 (1996) 237
- Temperature effects in the early stages of titanium oxidation, I. Vaquila, M.C.G. Passegi, Jr. and J. Ferrón 93 (1996) 247
- Gas-phase room-temperature oxidation of (100) silicon, G.F. Cerofolini, G. La Bruna and L. Meda 93 (1996) 255
- The oxidation of the NiAl(111) surface, R. Franchy, J. Masuch and P. Gassmann 93 (1996) 317
- Oxides**
- Characterisation of the spinels $M_xCo_{1-x}Fe_2O_4$ ($M = Mn, Fe$ or Ni) using X-ray photoelectron spectroscopy, G.C. Allen and K.R. Hallam 93 (1996) 25
- An investigation of the Cu/ZnO/Zn system: evidence for the formation of Cu-Zn alloys by the inward diffusion of Cu, K.R. Hari Kumar, A.K. Santra and C.N.R. Rao 93 (1996) 135
- XPS study of as-prepared and reduced molybdenum oxides, J.-G. Choi and L.T. Thompson 93 (1996) 143
- Work function variations and oxygen conduction in a $Pt(ZrO_2(Y_2O_3))/Pt$ solid electrolyte cell, N.G. Torkelsen and S. Raaen 93 (1996) 199
- Improvement of the crystallinity in $PbTiO_3$ films grown on indium tin oxide-coated glass by metalorganic chemical vapor deposition using the continuous cooling process, Y.S. Yoon, S.S. Yom, T.W. Kim, D.U. Lee and C.O. Kim 93 (1996) 285
- Oxygen**
- Depth profiling of W, O and H in tungsten trioxide thin films using RBS and ERDA techniques, O. Bohnke, G. Frand, M. Fromm, J. Weber and O. Greim 93 (1996) 45
- Work function variations and oxygen conduction in a $Pt(ZrO_2(Y_2O_3))/Pt$ solid electrolyte cell, N.G. Torkelsen and S. Raaen 93 (1996) 199

Palladium

A new method for the detection of hydrogen spillover, M. Holmberg and I. Lundström

93 (1996) 67

FT-IR characterization of alkali-doped Pd catalysts for the selective hydrogenation of phenol to cyclohexanone, S. Scirè, C. Crisafulli, R. Maggiore, S. Minicò and S. Galvagno

93 (1996) 309

Photoelectron spectroscopy

An XPS and FTIR study of SO₂ adsorption on SnO₂ surfaces, F. Berger, E. Beche, R. Berjoan, D. Klein and A. Chambaudet

93 (1996) 9

The adsorption and condensation of Hg(CH₃)₂ on Pt(111) at 95 and 310 K: an UPS study, A. Cassuto

93 (1996) 17

Characterisation of the spinels M₂Co_{1-x}Fe₂O₄ (M = Mn, Fe or Ni) using X-ray photoelectron spectroscopy, G.C. Allen and K.R. Hallam

93 (1996) 25

X-ray photoelectron spectroscopy studies of a nitroxyl free radical, V.S. Sastri, M. Elboudjaini, J.R. Perumareddi and J.R. Brown

93 (1996) 31

Ruthenium and sulphide passivation of GaAs, S.T. Ali, S. Ghosh and D.N. Bose

93 (1996) 37

An investigation of the Cu/ZnO/Zn system: evidence for the formation of Cu-Zn alloys by the inward diffusion of Cu, K.R. Hari Kumar, A.K. Santra and C.N.R. Rao

93 (1996) 135

XPS study of as-prepared and reduced molybdenum oxides, J.-G. Choi and L.T. Thompson

93 (1996) 143

A study of galena (PbS) surfaces under controlled potential in pH 4.6 solution by synchrotron radiation excited photoelectron spectroscopy, I. Kartio, K. Laajalehto, T. Kaurila and E. Suoninen

93 (1996) 167

Work function variations and oxygen conduction in a Pt|ZrO₂(Y₂O₃)|Pt solid electrolyte cell, N.G. Torkelsen and S. Raasen

93 (1996) 199

Studies of IT TiS₂ by STM, AFM and XPS: the mechanism of hydrolysis in air, H. Martinez, C. Auriel, D. Gonbeau, M. Loudet and G. Pfister-Guillouzo

93 (1996) 231

Ion beam studies of porphyrin adsorption on and leaching of soda lime glass, C.H.M. Marée, T.J. Savenije, T.J. Schaafsma and F.H.P.M. Habraken

93 (1996) 291

CO₂ plasma treatment of tin oxides, H.N. Wanka, G. Bilger and M.B. Schubert

93 (1996) 339

Photoemission

Growth and reactivity of evaporated platinum films on Cu(111): a study by AES, RHEED and adsorption of carbon monoxide and xenon, J. Fusy, J. Menau-court, M. Alnot, C. Huguet and J.J. Ehrhardt

93 (1996) 211

Plasma processing

Internal surface interactions in the plasma treatment of fine bore fluoropolymer tubings, L. Mascia and Z. Zhang

93 (1996) 1

The etching of natural alpha-recoil tracks in mica with an argon RF-plasma discharge and their imaging via atomic force microscopy, N.M.D. Brown and Z.H. Liu

93 (1996) 89

Plasma anodic oxidation of semiinsulating GaAs, E. Pinčík, K. Gmucová, J. Bartoš, M. Kučera, M. Jergel and R. Brunner

93 (1996) 119

CO₂ plasma treatment of tin oxides, H.N. Wanka, G. Bilger and M.B. Schubert

93 (1996) 339

Platinum

The adsorption and condensation of Hg(CH₃)₂ on Pt(111) at 95 and 310 K: an UPS study, A. Cassuto

93 (1996) 17

Work function variations and oxygen conduction in a Pt|ZrO₂(Y₂O₃)|Pt solid electrolyte cell, N.G. Torkelsen and S. Raasen

93 (1996) 199

Growth and reactivity of evaporated platinum films on Cu(111): a study by AES, RHEED and adsorption of carbon monoxide and xenon, J. Fusy, J. Menau-court, M. Alnot, C. Huguet and J.J. Ehrhardt

93 (1996) 211

Polymers

Internal surface interactions in the plasma treatment of fine bore fluoropolymer tubings, L. Mascia and Z. Zhang

93 (1996) 1

Cross-sectional TEM investigations of plasmapolymer-metal composite films, W. Grünwald, A. Heilmann and C. Reinhardt

93 (1996) 157

Quantum effects

- Field emission from the surface quantum well of silicon, Q.-A. Huang 93 (1996) 77
- Determination of the subband carrier densities in a strained GaAs/In_{0.15}Ga_{0.85}As/Al_{0.23}Ga_{0.78}As single quantum well using photoluminescence, T.W. Kim, M. Jung and D.U. Lee 93 (1996) 131
- Photoreflectance analysis of MQWs in intermediate electric field regime, M. Geddo, S. Di Lernia and Chen Chen-Jia 93 (1996) 267

Ruthenium

- Ruthenium and sulphide passivation of GaAs, S.T. Ali, S. Ghosh and D.N. Bose 93 (1996) 37

Scanning tunneling microscopy

- Scanning tunneling microscopy observations of recorded organic thin films, Q. Chen, D. Gu, F. Gan, L. Xu and M. Li 93 (1996) 151
- Studies of 1T TiS₂ by STM, AFM and XPS: the mechanism of hydrolysis in air, H. Martinez, C. Auriel, D. Gonbeau, M. Loudet and G. Pfister-Guillouzo 93 (1996) 231

Silicon

- A new method for the detection of hydrogen spillover, M. Holmberg and I. Lundström 93 (1996) 67
- Field emission from the surface quantum well of silicon, Q.-A. Huang 93 (1996) 77
- Microstructural properties of laser synthesized Si/C/N nanoparticles, R. Giorgi, S. Turbò, G. Zappa, E. Borsella, S. Botti, M.C. Cesile and S. Martelli 93 (1996) 101
- EXAFS measurements on the structure of Mo/Si multilayers produced using ion bombardment and increased deposition temperature, H.-J. Voorma, G.E. van Dorssen, E. Louis, N.B. Koster, A.D. Smith, M.D. Roper and F. Bijkerk 93 (1996) 221
- Ellipsometric studies of the oxidation kinetics of Cu particles supported on oxidized Si(100), R. van Wijk, O.L.J. Gizeman and J.W. Geus 93 (1996) 237
- Gas-phase room-temperature oxidation of (100) silicon, G.F. Cerofolini, G. La Bruna and L. Meda 93 (1996) 255

Silicon nitride

- Studies of silicon-nitride (Si₃N₄) using laser ablation mass spectrometry, S.L. Wang, K.W.D. Ledingham, W.J. Jia and R.P. Singhal 93 (1996) 205

Silicon oxide

- A new method for the detection of hydrogen spillover, M. Holmberg and I. Lundström 93 (1996) 67

Silver

- Surfactant effect of Sb on the growth of Ag films on a sapphire substrate, T. Lewowski and P. Wiczorek 93 (1996) 85

Sulphides

- Ruthenium and sulphide passivation of GaAs, S.T. Ali, S. Ghosh and D.N. Bose 93 (1996) 37
- A study of galena (PbS) surfaces under controlled potential in pH 4.6 solution by synchrotron radiation excited photoelectron spectroscopy, I. Kartio, K. Laajalehto, T. Kaurila and E. Suoninen 93 (1996) 167
- Studies of 1T TiS₂ by STM, AFM and XPS: the mechanism of hydrolysis in air, H. Martinez, C. Auriel, D. Gonbeau, M. Loudet and G. Pfister-Guillouzo 93 (1996) 231
- Surface sulfide on (100) W: formation, stability, absolute concentration of sulfur, N.R. Gall, E.V. Rut'kov, A.Ya. Tontegode and M.M. Usufov 93 (1996) 353

Sulphur dioxide

- An XPS and FTIR study of SO₂ adsorption on SnO₂ surfaces, F. Berger, E. Beche, R. Berjoan, D. Klein and A. Chambaudet 93 (1996) 9

Thermal desorption

- Investigation of atomic deuterium (hydrogen) emission from the surface of some transition metal deuterides (hydrides), E. Nowicka, Z. Wolfram, W. Lisowski and R. Duś 93 (1996) 53
- Growth and reactivity of evaporated platinum films on Cu(111): a study by AES,

- RHEED and adsorption of carbon monoxide and xenon, J. Fusy, J. Menau-court, M. Alnot, C. Huguet and J.J. Ehrhardt 93 (1996) 211
- Surface sulfide on (100) W: formation, stability, absolute concentration of sulfur, N.R. Gall, E.V. Rut'kov, A.Ya. Tontegode and M.M. Usufov 93 (1996) 353
- Thin films*
- Depth profiling of W, O and H in tungsten trioxide thin films using RBS and ERDA techniques, O. Bohnke, G. Frand, M. Fromm, J. Weber and O. Greim 93 (1996) 45
- Surfactant effect of Sb on the growth of Ag films on a sapphire substrate, T. Lewowski and P. Wiczorek 93 (1996) 85
- Scanning tunneling microscopy observations of recorded organic thin films, Q. Chen, D. Gu, F. Gan, L. Xu and M. Li 93 (1996) 151
- Studies of silicon-nitride (Si_3N_4) using laser ablation mass spectrometry, S.L. Wang, K.W.D. Ledingham, W.J. Jia and R.P. Singhal 93 (1996) 205
- Growth and reactivity of evaporated platinum films on Cu(111): a study by AES, RHEED and adsorption of carbon monoxide and xenon, J. Fusy, J. Menau-court, M. Alnot, C. Huguet and J.J. Ehrhardt 93 (1996) 211
- Relationship between organic thin film uniformity and its electroluminescence, G. Wang, Y. Ding and Y. Wei 93 (1996) 281
- Improvement of the crystallinity in PbTiO_3 films grown on indium tin oxide-coated glass by metalorganic chemical vapor deposition using the continuous cooling process, Y.S. Yoon, S.S. Yom, T.W. Kim, D.U. Lee and C.O. Kim 93 (1996) 285
- Tin oxide*
- An XPS and FTIR study of SO_2 adsorption on SnO_2 surfaces, F. Berger, E. Beche, R. Berjoan, D. Klein and A. Chamhaudet 93 (1996) 9
- CO_2 plasma treatment of tin oxides, H.N. Wanka, G. Bilger and M.B. Schubert 93 (1996) 339
- Titanium*
- Studies of 1T TiS_2 by STM, AFM and XPS: the mechanism of hydrolysis in air, H. Martinez, C. Auriel, D. Gonbeau, M. Loudet and G. Pfister-Guillouzo 93 (1996) 231
- Temperature effects in the early stages of titanium oxidation, I. Vaquila, M.C.G. Passeggi, Jr. and J. Ferrón 93 (1996) 247
- Improvement of the crystallinity in PbTiO_3 films grown on indium tin oxide-coated glass by metalorganic chemical vapor deposition using the continuous cooling process, Y.S. Yoon, S.S. Yom, T.W. Kim, D.U. Lee and C.O. Kim 93 (1996) 285
- Titanium oxide*
- Formation of polycrystalline BaTi_xO_y compounds in barium implanted TiO_2 , S.M.M. Ramos, B. Canut, M. Ambri, N. Bonardi, R. Brenier, M. Pitaval, P. Thevenard and M. Brunel 93 (1996) 191
- Transition metals*
- Investigation of atomic deuterium (hydrogen) emission from the surface of some transition metal deuterides (hydrides), E. Nowicka, Z. Wolfram, W. Lisowski and R. Duś 93 (1996) 53
- Tungsten*
- Depth profiling of W, O and H in tungsten trioxide thin films using RBS and ERDA techniques, O. Bohnke, G. Frand, M. Fromm, J. Weber and O. Greim 93 (1996) 45
- Surface sulfide on (100) W: formation, stability, absolute concentration of sulfur, N.R. Gall, E.V. Rut'kov, A.Ya. Tontegode and M.M. Usufov 93 (1996) 353
- X-ray absorption*
- EXAFS measurements on the structure of Mo/Si multilayers produced using ion bombardment and increased deposition temperature, H.-J. Voorma, G.E. van Dorssen, E. Louis, N.B. Koster, A.D. Smith, M.D. Roper and F. Bijkerk 93 (1996) 221
- X-ray diffraction*
- Microstructural properties of laser synthesized Si/C/N nanoparticles, R. Giorgi, S. Turbù, G. Zappa, E. Borsella, S. Botti, M.C. Cesile and S. Martelli 93 (1996) 101
- Formation of polycrystalline BaTi_xO_y compounds in barium implanted TiO_2 , S.M.M. Ramos, B. Canut, M. Ambri, N.

- Bonardi, R. Brenier, M. Pitaval, P. Thevenard and M. Brunel
Surface phases analysis by grazing incidence of X-rays in a Bragg-Brentano diffractometer, S. Battaglia

93 (1996) 191

93 (1996) 349

Yttrium

- Work function variations and oxygen conduction in a $\text{Pt}(\text{ZrO}_2(\text{Y}_2\text{O}_3))\text{Pt}$ solid electrolyte cell, N.G. Torkelsen and S. Raaen

93 (1996) 199

Zinc

- An investigation of the Cu/ZnO/Zn system: evidence for the formation of Cu-Zn alloys by the inward diffusion of Cu, K.R. Harikumar, A.K. Santra and C.N.R. Rao

93 (1996) 135

Zirconium

- Work function variations and oxygen conduction in a $\text{Pt}(\text{ZrO}_2(\text{Y}_2\text{O}_3))\text{Pt}$ solid electrolyte cell, N.G. Torkelsen and S. Raaen

93 (1996) 199

